

ABSTRACT

A light source and a projector are provided, ~~in which~~ meets the requirements of high luminance and size reduction ~~which of recent lamps require can be met, the elongation of elongates~~ a lifetime of the lamp ~~can be realized~~, and reduces the noises from a cooling fan ~~can be reduced~~.

———A light source, including a concave ~~mirror~~ 6mirror which has a reflecting part ~~6C~~ that reflects light, ~~non-reflecting parts 6D~~ adjacent to this reflecting part, and permeable ports ~~6E, 6F~~ that pass through the non-reflecting parts, and which opens forward; a lamp ~~10~~ lamp which is arranged in this concave mirror and emits the light; and a light permeable ~~member~~ 8member which covers the opening part of the concave mirror, is characterized in that the concave mirror ~~includes~~ including a mesh ~~12~~ mesh arranged in a position where it covers the permeable port, and a protective ~~wall~~ 14wall for protecting the mesh, which is arranged in a position where direct collision between the mesh and broken pieces of the lamp made by a burst of the lamp is prevented.